ATLANTIC AVENUE– ROUTE 111

EXISTING TOWN WATER SERVICE (MAIN NOT LOCATED)

DEED: 71.5'

150'±

N/F MARSH

EXISTING PAVED DRIVEWAY

SOIL CLASS 140

EXISTING 3 BEDROOM HOUSE W/BASEMENT

GARAGE

DEED: 113.5'

APPROX PL

50

EXISTING HOUSE

52.9 TOP BLOCK IN BULKHEAD
52.7 TOP FOUNDATION WALL
50.6 EXIS INVERT
49.7 TOP OLD FND WALL
47.0± OLD INVERT

N/F YEATON
PROPOSED IN TANK 50.3
PROPOSED OUT TANK 50.05

REMOVE EXISTING TANK

5' MIN

WET AREA

HYDRIC B

DECK

EXISTING LEACH AREA OF EXISTING LEACH FIELD PER OWNER–REMOVE AS NEEDED FOR NEW INSTALLATION

#1

EXISTING PAVED DRIVEWAY

BM#1
SET SPIKE
COR PAD
EL 51.20

EXISTING GARAGE
SLAB
EL 51.5±

4" SCH 40 INSULATED DRAIN (PUMPED)

PROPOSED

DRAIN

BM#2
SET HUB
EL 50.0

BROKEN COUPLING

EXISTING YARD

PROPOSED IN DBOX 49.57
PROPOSED OUT DBOX 49.4

AREA NOW SATURATED BY DRAINAGE FROM SUMP

46

SWALE

#2

TO BE LEVEL

EXPECTED EDGE OF SEASONAL WET AFTER REPAIR AND RELOCATION OF SUMP LINE AS SHOWN

EXIS SUMP OUTFALL

PROPOSED BED BOTTOM 48.9
PROPOSED FINISH GRADE 50.9

EXIS HIGH CONTOUR 50.2
FSHWT 40"=EL 46.87

REMOVE OLD FILL

RELOCATE OUTFALL TO MIN 25' FROM DISPERSAL AREA

STORAGE AREA

BM#3
SET NAIL
IN PINE
EL 49.55

HYDRIC B

APPROX LIMIT

WET AREA

ESTIMATED PL – SEE NOTE 1

DEED: 680

DEED: 580'

LOT AREA:
1.9 ACRES±
TAX MAP 6 LOT 28

SOIL CLASS 547

Command= 210-
Point#, Start#-End# or G#= 1-100

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
		01-14-2025		13:23:00		D:...\BMHOME8	
		50.00	SETHUB	1	5000.0000	5000.0000	
		51.84	SETHUB	2	5132.7330	5011.6126	TRA
		51.20	BMSETSPK	3	5022.7523	4959.8943	SS
		51.46	CORGAR**	4	5020.8108	4959.9660	SS
		51.66	DOOR***	5	5016.6801	4959.8684	SS
		50.82	GARGND	6	4999.4302	4959.0540	SS
		50.29	CORGAR**	7	4988.5947	4958.3846	SS
		49.55	BMNL**	8	4965.6704	4958.4596	SS
		48.78	TS	9	4978.7874	4931.3318	SS
		48.35	BSEW7W	10	4978.6269	4928.3498	SS
		48.25	BSEW5W	11	4972.2910	4929.5213	SS
		47.61	LOW**	12	4960.6237	4938.9227	SS
		45.86	COREW**	13	4954.1900	4955.6372	SS
		44.86	COREW**	14	4944.1454	4971.7331	SS
		44.14	BSEWET	15	4945.7725	4997.8523	SS
		43.66	BSEWET**	16	4945.6439	5010.5999	SS
		47.14	CORTS	17	4957.1762	5006.7337	SS
		47.66	<FNC	18	4970.0318	5001.3812	SS
		48.76	POST**	19	4969.1513	4980.2672	SS
		48.82	SUMPOUT*	20	4990.3394	5007.1185	SS
		49.02	@FNCPST	21	4991.0431	5005.2655	SS
		48.87	LOW	22	4993.1969	4996.8907	SS
		49.96	HIGH	23	4996.7191	4987.6897	SS
		49.91	PIT#2	24	4999.5835	4976.1036	SS
		49.17	LOW	25	4991.0070	4970.9083	SS
		49.36	GND	26	4982.0135	4968.8499	SS
		48.98	LOW	27	4988.8431	4985.1427	SS
		49.59	@ROCK	28	4982.4117	4983.3780	SS
		49.58	LOW	29	5006.7191	4996.7360	SS
		50.60	GND	30	5015.3957	4977.4190	SS
		51.21	EPDR	31	5033.7388	4959.4635	SS
		51.34	EPDRPC	32	5053.8134	4957.9080	SS
		51.44	EPDROC	33	5062.8803	4953.7629	SS
		51.48	CORGAR**	34	5070.5228	4949.6708	SS
		51.45	CORPOST*	35	5070.2782	4936.4058	SS
		51.53	EPDR	36	5086.4866	4937.3909	SS
		50.19	EDGPD***	37	5087.3745	4931.8003	SS
		49.80	EDGWET**	38	5064.7738	4928.9289	SS
		52.21	STEP****	39	5070.7867	4957.7631	SS
		51.75	CORDECK	40	5059.6558	4967.6975	SS
		53.68	DECKEL	41	5060.4895	4977.8424	SS
		52.17	CORDECK	42	5063.6806	4979.6276	SS
		52.11	CORHSE**	43	5073.1689	4987.5532	SS
		52.04	CORHSE	44	5079.6103	5006.5588	SS
		51.66	POLE	45	5130.9941	5013.9992	SS
		50.56	ANCHOR	46	5122.3459	5014.3964	SS

JOB #9 581HATCH [100]

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
----------01-14-2025-----13:23:00----------D:...\BMHOME8							
		50.40	ENDFNC	47	5080.2797	5015.2214	SS
		49.87	FCPOST**	48	5037.8275	5016.7991	SS
		48.73	FCPOST**	49	5010.8449	5009.9385	SS
		47.72	@STMP**	50	5011.4056	5025.6593	SS
		45.35	FNC**	51	4997.1997	5027.2465	SS
		45.15	BSEDGPD*	52	4998.9401	5021.5540	SS
		44.81	****EWET	53	4988.4523	5017.0711	SS
		46.44	PD1W	54	5006.3894	5021.1144	SS
		50.91	GND	55	5033.4290	5004.1046	SS
		51.23	GND	56	5033.3785	4987.5065	SS
		51.31	GND	57	5032.5264	4972.6142	SS
		51.66	PIT#1	58	5050.2494	4974.5208	SS
		51.99	GND	59	5051.4115	4990.7895	SS
		51.58	GND	60	5053.5650	5003.8057	SS
		53.89	STEP=FF	61	5074.9492	4987.7732	SS
		51.49	TANK***	62	5074.1784	5005.6064	SS
		52.91	BULK****	63	5078.8615	5003.0391	SS

Point#, Start#-End# or G#= 4-

APPROVAL FOR CONSTRUCTION

CA2009099572 CA2009099572

N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES
SUBSURFACE SYSTEMS BUREAU
P.O. BOX 95, 29 HAZEN DRIVE, CONCORD, NH 03302-0095

APPROVAL NO. 6 / 28

THE PLANS AND SPECIFICATIONS FOR SEWAGE OR WASTE DISPOSAL SYSTEM SUBMITTED FOR:

OWNER: DOLORES/DONALD HATCH
132 ATLANTIC AVE
NORTH HAMPTON NH 03862-

COPY SENT TO: BUILDING INSPECTOR
PO BOX 710
NORTH HAMPTON NH 03862

BY APPLICANT: PERMIT NO. 00348
STOCKTON SERVICES
PO BOX 1306
HAMPTON NH 03843-1306

Map No./Lot No.: PRE67
Subd. Appvl. No.:
Subd. Name: ROCKINGHAM
County: 2356
Registry Book No.: 1545
Registry Page No.:
Probate Docket No.: (If Applicable) Z
Type of System: 3 BR 450 GPD
Town/City Location: NORTH HAMPTON
Street Location: 132 ATLANTIC AVENUE

Subsurface waste disposal systems must be operated and maintained in a manner so as to prevent nuisance or health hazard due to system failure. (RSA 485-A:37)

It is unlawful to discharge any hazardous chemicals or substances into subsurface waste disposal systems. Included are paints, thinners, gasoline and chlorinated hydrocarbon solvents such as TCE, sometimes used to clean failed septic systems and auto parts. (Env-Ws 1503.04)

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED BELOW CONDITIONS

1. THIS APPROVAL IS VALID FOR 90 DAYS FROM DATE OF SAID APPROVAL, PER ENV-WQ 1003.22.
2. THIS APPROVAL IS GRANTED ONLY TO IMPROVE AN EXISTING SITUATION.
3. APPROVED WITH A MUNICIPAL WATER SUPPLY ONLY.

Eric Thomas
12/11/2009 ERIC J THOMAS

Approved this date: _____ By: _____
N.H. Department of Environmental Services Staff
Date amended: _____ Amended by: _____ (OVER)

REVISED 8/01
200904019 APPLICANT'S

NOTICE to the installer or owner. The Town of North Hampton requires this system to have a bed bottom (basal area) inspection. Contact the Building Inspector 24 hours prior to inspection at 964-8650.

APPROVED
Town of North Hampton
Septic System Examiner
12/8/09

IALL
DORS OCCUR,

PT PERC TEST DATA

CA2009099572

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Signed Eric Thomas
Date 12-11-09

PERCOLATION RATE N/A FOR CLEAN SOLUTION SYSTEM

DESIGN LOADING: EXISTING 3 BEDROOM HOUSE

AREA REQUIRED: MIN CLEAN SOLUTION DISPERSAL FIELD 75 SF

AREA PROPOSED: 10' X 25' =
250 SF± DISPERSAL AREA PROVIDED

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED ON THIS CONDITIONAL APPROVAL.

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

RECEIVED DEC 7 2009 ROCKINGHAM COUNTY CONSERVATION DISTRICT

LOCUS: 132 ATLANTIC AVENUE
NORTH HAMPTON, NH
TAX MAP 6 LOT 28

OWNER: DONALD & DOLORES HATCH
132 ATLANTIC AVENUE
NORTH HAMPTON, NH 03862

NEW HAMPSHIRE Designer of Subsurface Disposal Systems * * * Ann W. Bialobrzeski No. 348 Water Supply & Pollution Control

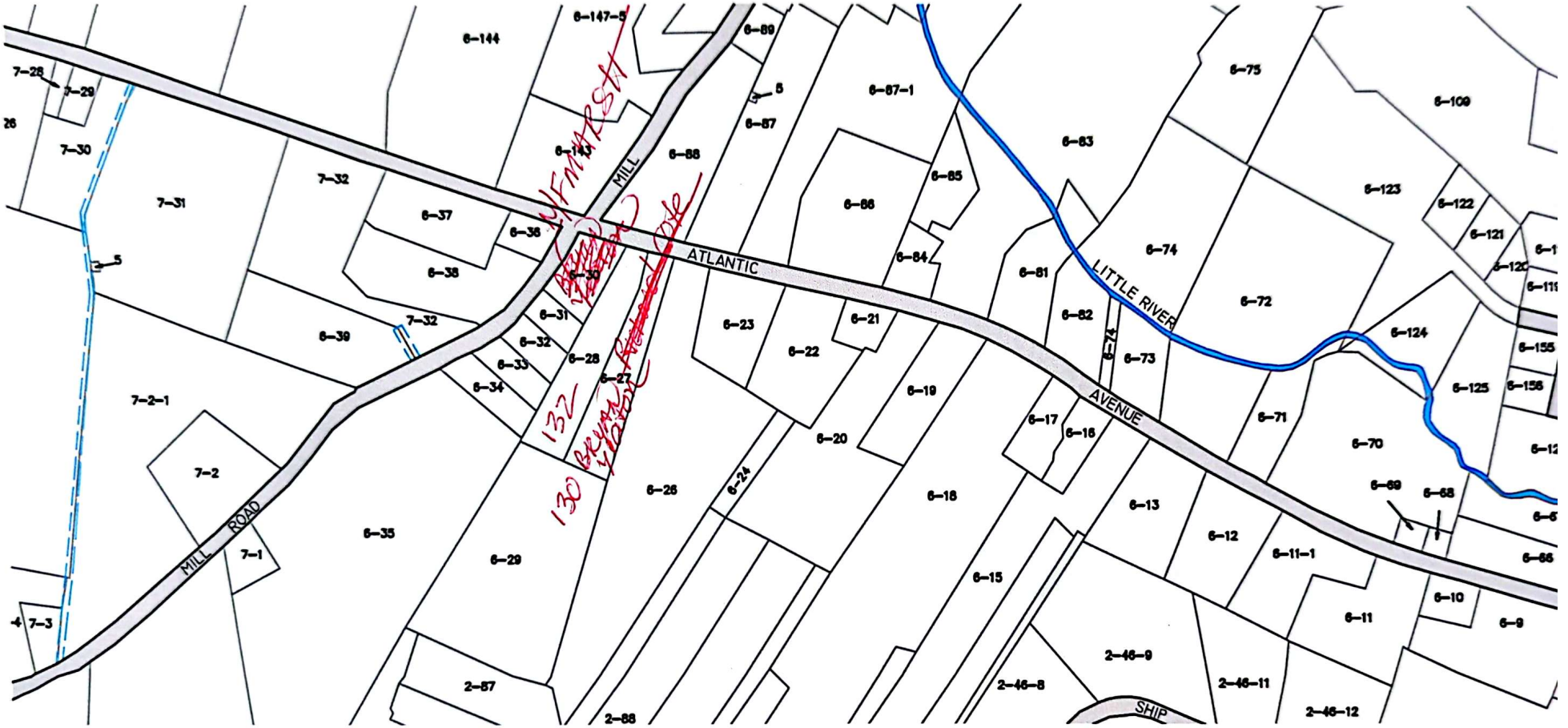
APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843-1306
603 929-7404

DATE: DECEMBER 6, 2009

APPROVAL: _____

RECEIVED DEC 10 2009 By Subsurface

581


MILL
ATLANTIC
AVENUE
MILL ROAD
LITTLE RIVER
SHIP
6-144
6-147-5
6-89
6-87-1
6-75
6-109
6-143
6-88
6-87
6-83
6-123
6-122
6-37
6-36
6-86
6-85
6-74
6-121
6-38
6-84
6-81
6-72
6-39
6-31
6-82
6-124
6-32
6-23
6-21
6-73
6-155
6-33
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6-22
6-125
6-156
6-34
6-27
6-19
6-71
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6-16
6-20
6-70
6-69
6-68
6-26
6-24
6-18
6-13
6-12
6-11-1
6-66
6-35
6-29
6-15
6-10
6-11
6-9
2-46-9
2-46-8
2-46-11
2-46-12
2-57
2-58
7-28
7-29
7-30
7-31
7-32
7-2-1
7-2
7-1
7-3
132
130

MBLU :	006/ 028/ 000/ / /
Location:	132 ATLANTIC AVE
Owner Name:	HATCH DONALD K & DOLORES E
Account Number:	006-028-000

Parcel Value

Item	Appraised Value	Assessed Value
Buildings	79,900	79,900
Xtra Bldg Features	2,500	2,500
Outbuildings	9,200	9,200
Land	194,600	194,600
Total:	**286,200**	**286,200**

Owner of Record

HATCH DONALD K & DOLORES E

Ownership History

Owner Name	Book/Page	Sale Date	Sale Price
HATCH DONALD K & DOLORES E	1/ 1	1/1/1900	0

Land Line Valuation

Size	Zone	Appraised Value	Assessed Value
1.95 AC	R2	194,600	194,600

Construction Detail

Building # 1

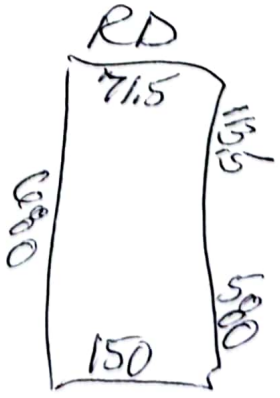
STYLE Ranch
Stories: 1 Story
Exterior Wall 1 Wood Shingle
Roof Structure: Gable/Hip
Roof Cover Asph/F Gls/Cmp
Interior Wall 1 Plywood Panel
Interior Flr 1 Carpet
Interior Flr 2 Vinyl/Asphalt
Heat Fuel Oil
Heat Type: Hot Water
AC Type: None
Total Bedrooms: 03
Total Bthrms: 1
Total Half Baths: 0

Building Valuation

Living Area: 1,217 square feet
Year Built: 1930
Depreciation: 42%
Building Value: 79,900

1940 Porter 11/1256
ENOS 1514-454 V 1959
Perkins V 1980
Hatch

2356-1545



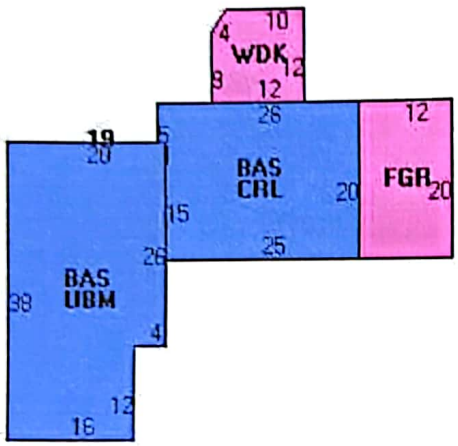
Extra Features

Code	Description	Units	Appraised Value
FPL1	FIREPLACE 1 ST	1 UNITS	1800
FPO	EXTRA FPL OPEN	1 UNITS	700

Outbuildings

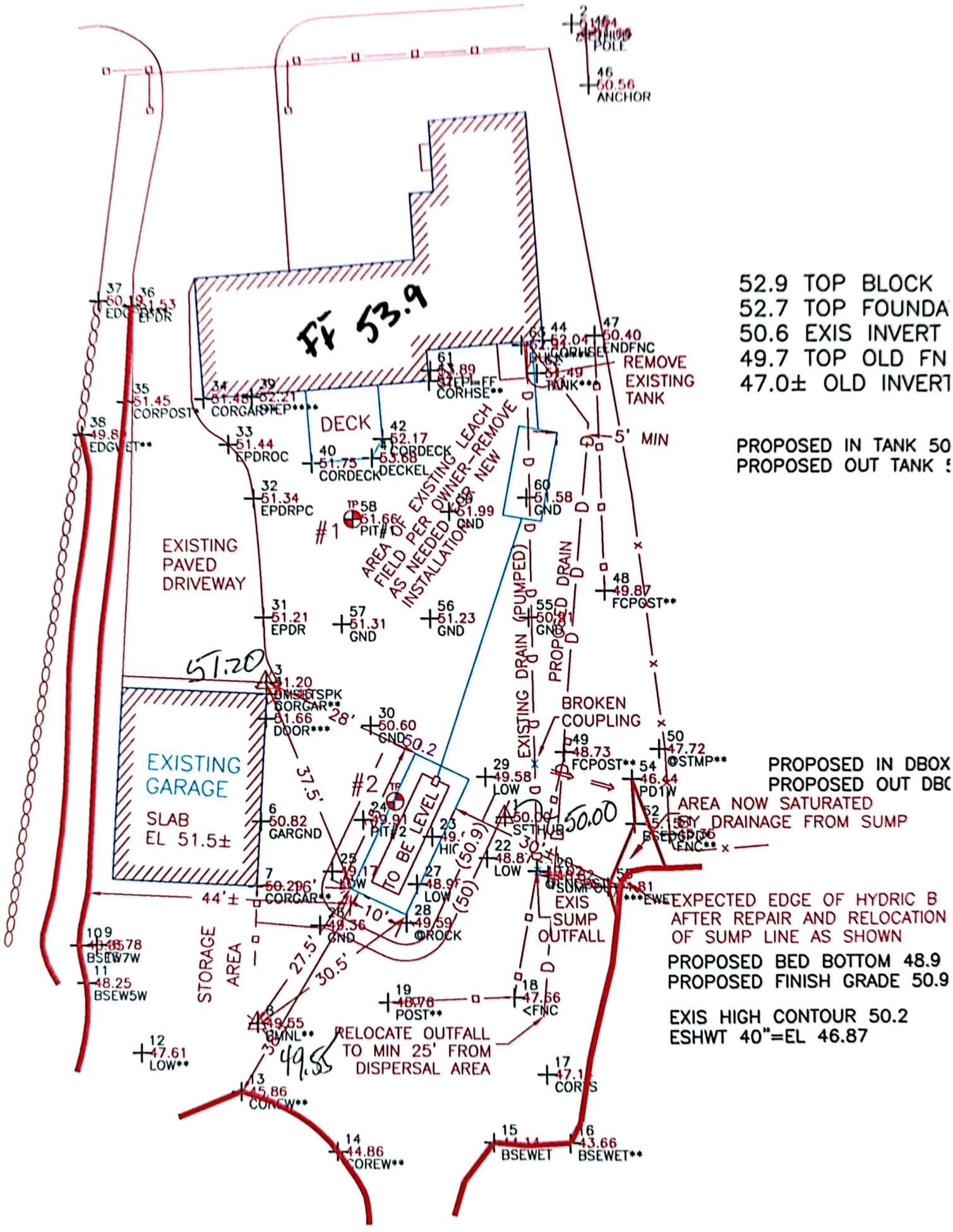
Code	Description	Units	Appraised Value
FGR1	GARAGE-AVE	768 S.F.	9200

Building Sketch



Subarea Summary

Code	Description	Gross Area	Living Area
BAS	First Floor	1217	1217
CRL	Crawl Space	505	0
FGR	Garage,Framed	240	0
UBM	Basement, Unfinished	712	0
WDK	Deck, Wood	141	0


FF 53.9
DECK
EXISTING PAVED DRIVEWAY
EXISTING GARAGE
SLAB EL 51.5±
STORAGE AREA
#1
#2
PIT#1
PIT#2
TO BE LEVEL
AREA OF EXISTING LEACH FIELD PER OWNER-REMOVE AS NEEDED FOR NEW INSTALLATION
EXISTING DRAIN (PUMPED)
PROPOSED DRAIN
REMOVE EXISTING TANK
5' MIN
BROKEN COUPLING
AREA NOW SATURATED BY DRAINAGE FROM SUMP
EXISTING SUMP OUTFALL
RELOCATE OUTFALL TO MIN 25' FROM DISPERSAL AREA
44'±
37.5'
28'
50.2
50.00
(50.9)
(50)
10'
27.5'
30.5'
52.9 TOP BLOCK
52.7 TOP FOUNDA
50.6 EXIS INVERT
49.7 TOP OLD FN
47.0± OLD INVERT
PROPOSED IN TANK 50
PROPOSED OUT TANK 5
PROPOSED IN DBOX
PROPOSED OUT DBC
EXPECTED EDGE OF HYDRIC B AFTER REPAIR AND RELOCATION OF SUMP LINE AS SHOWN
PROPOSED BED BOTTOM 48.9
PROPOSED FINISH GRADE 50.9
EXIS HIGH CONTOUR 50.2
ESHWT 40"=EL 46.87

WASTEWATER ALTERNATIVES, INC
developing innovative solutions with sustainable results
2 Whitney Road – Suite 10 - Concord, NH 03301

Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 783-4499
www.thecleansolution.com email: info@thecleansolution.com

December 3, 2009

Donald & Dolores Hatch
132 Atlantic Avenue
North Hampton, NH 03862

Dear Mr. & Mrs. Hatch:

Thank you for choosing to use ***THE CLEAN SOLUTION™*** alternative septic system for your existing 3-bedroom single-family home located at 132 Atlantic Avenue in North Hampton, NH. Attached is a sales agreement for the system. This agreement describes what you are buying, the required maintenance, your warranty, the price and the terms of sale.

The following is enclosed:

1. A complete copy of the Sales Agreement and Inspection Contract for your records.

2. **Inspection Contract** - Return one signed copy to Anne Bialobrzeski of Stockton Services. Anne will send one signed copy to NHDES with your subsurface disposal plan submittal. NHDES needs this for their records to show that you are aware of the required maintenance.

3. **Sales Agreement and Inspection Contract –** Please sign and return with the initial payment to WAI approximately three weeks prior to the system installation. Please provide WAI with the name and contact information of your installer. This information is needed to allow WAI to coordinate the installation date.

I look forward to working with you. Please give me a call if you would like to discuss the system or the sales agreement.

Sincerely,

Gary R. Spaulding
General Manager

WASTEWATER ALTERNATIVES, INC

2 Whitney Road – Suite 10 - Concord, NH 03301

Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 783-4499
www.thecleansolution.com email: gary@thecleansolution.com

RESIDENTIAL
SALES AGREEMENT
December 3, 2009

BUYER:	
Name:	Donald & Dolores Hatch
Address:	132 Atlantic Avenue
City, State Zip:	North Hampton, NH 03862
Phone:	
Cell:	
Email:	

OWNER-IF DIFFERENT:
Name:
Address:
City, State Zip:
Phone:
Cell:
Email:

SITE:	
Property ID:	Tax Map 6 Lot # 28
Address:	132 Atlantic Avenue
City, State, Zip:	North Hampton, NH 03862
Waterbody:	N/A

Property Type:

Residential Single Family:	Yes
Residential Seasonal:	No

Wastewater Alternatives, Inc. (WAI) agrees to supply a Model ***250ST-R3 CLEAN SOLUTION™*** Sewage Treatment System to the buyer installed at the above site in accordance with the attached specifications and the subsurface disposal plan submitted for a *full time, 3 bedroom, single family house* by *Stockton Services*, as approved by NHDES. ***THE CLEAN SOLUTION*** system has been designed based on design parameters provided by the designer / owner. Change of use that results in the increase in daily flow or wastewater strength will require approval by WAI. Approval from NHDES and Local Land Use Boards may also be required.

SHOULD THE ABOVE PROPERTY BE SOLD, THE ABOVE OWNER SHALL PROVIDE THE NEW OWNER WITH A COPY OF THIS AGREEMENT. THE TERMS AND CONDITIONS OF THIS AGREEMENT WILL TRANSFER TO THE NEW BUYER AND BECOME BINDING ON THE NEW OWNER(S).

This Sales Agreement is subject to the following conditions:

1. The buyer has retained a licensed designer and has obtained all necessary approvals from NHDES and Local Land Use Boards.
2. The buyer will provide WAI with copies of the plans approved by NHDES.
3. The buyer has or will have retained a qualified installer licensed by the State to install Subsurface Disposal Systems prior to system installation.
4. This agreement contains a required maintenance schedule. Failure to perform the required maintenance could result in premature failure of the dispersal field and void the warranty of system and system components.

WASTEWATER ALTERNATIVES, INC
2 Whitney Road – Suite 10 - Concord, NH 03301

Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 783-4499
www.thecleansolution.com email: gary@thecleansolution.com

SYSTEM COMPONENTS PROVIDED BY WAI:

WAI will provide the following system components as shown on the attached design schematic and specifications. These components shall be installed as shown on the design plans by a qualified installer licensed by the State of NH to install Subsurface Disposal Systems.

1. A 2,100 gallon (1,250/350/500) standard duty tank to function as a septic tank, an aerobic treatment tank, and settling tank.
2. Plastic access covers and plastic risers to a maximum height of 24". If depth of cover over the top of the tank exceeds 24", the site contractor shall provide additional risers as necessary. Contractor shall ensure that all risers are watertight and that all screws and gaskets are in place and that the cover(s) have been secured. If concrete risers, covers or cast iron covers are used, contractor shall use water plug or an equivalent method to ensure water tightness.

WAI will provide the following system components and labor to install components as shown in the attached design schematic and specifications:

1. Plastic Media in BioCon™ Chamber
2. 1 - SLXX Compressor - Owner and WAI will mutually determine placement of the compressor. Compressor needs to be within 50' of the BioCon tank.
3. Oxygen transfer system.
4. Baffles within BioCon™ Chamber and settling tank.
5. Air compressor shelf.

Electrical Requirements to be provided by Owner:

1. **Owner shall be responsible for hiring a licensed electrician.**
2. A 120-volt outlet, non-ground fault circuit capable of supplying 1 amp continuously for each compressor and that meets current electrical codes adopted by The State of NH or local Municipality. Location of the outlet(s) shall be within 50' of the BioCon Chamber. (The power required for each compressor is approximately the same as a 100 watt light bulb)

Following not provided by WAI:

1. Additional septic tanks.
2. Exterior housing unit for the compressor(s).
3. Exterior Venting may be required for older homes or systems where effluent is pumped to ***THE CLEAN SOLUTION*** system.

All system components supplied by WAI are standard duty rated. Heavy Duty tanks and risers shall be required when the depth of fill exceeds 3 feet but is less than 5 feet. H-20 loaded tanks and risers will be required when the depth of fill is 5 feet or greater and/or is subject to vehicular traffic. Contact WAI for updated pricing for Heavy Duty or H-20 loaded components.

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OWNER HAS THE FOLLOWING UNDERSTANDING

THE CLEAN SOLUTION system has been designed based on information provide by the owner(s) or owner(s) designer/engineer. Failure to install the subsurface disposal system according to the approved plan will void system warranty and performance specifications. The owner(s) contractor shall ensure that all risers are watertight and all system components, both upstream and downstream of ***THE CLEAN SOLUTION*** system are watertight to prevent infiltration from groundwater and surface runoff. ***THE CLEAN SOLUTION*** system has not been designed to handle backwash discharge from Water Softeners or other high water use fixtures such as hot tubs or spa style showers. WAI recommends that backwash discharge or water from high water use fixtures be discharged into an approved drywell. If the septic system requires an effluent pump to be used to discharge effluent to the dispersal field, WAI recommends that the pump be placed in a separate pump tank external of ***THE CLEAN SOLUTION*** system on an 8" high concrete block. The pump chamber shall be inspected on a two-year cycle for sludge buildup and pumped as necessary to prevent sludge from being pumped to the dispersal field. If the effluent pump is placed within ***THE CLEAN SOLUTION*** system-settling tank then the pump shall be placed on a concrete block that is 12" high and the settling chamber shall be inspected on a yearly basis for sludge buildup and pumped as necessary to prevent sludge from being pumped to the dispersal field. More frequent inspections and pumping may be required based on system loading and occupant use.

MAINTENANCE REQUIREMENTS:

Due to owners' healthcare needs, WAI will require owners to have the system inspected and pumped on an annual basis. Once the owners no longer need treatments with adverse effects to the system, a normal maintenance schedule of once every 2 years can be implemented.

PERFORMANCE SPECIFICATIONS:

This system has been designed based on the following estimated residential wastewater influent strength from the primary treatment tank(s) of 180 mg/l BOD5, 150 mg/l TSS and <5 mg/l FOG. The system is warranted to discharge clean, odor free water to the dispersal field, equivalent or better than 30mg/l BOD5, 30mg/l TSS.

RIGHTS TO DATA AND ACCESS TO THE SYSTEM

WAI reserves the right of reasonable access to collect data, modify, maintain and repair ***THE CLEAN SOLUTION*** and its subsystems. WAI will retain all data collected and the rights to it.

DELIVERY

WAI will be prepared to install the system approximately 3 weeks after you have chosen an installer and returned a signed copy of this agreement with the initial payment to WAI. **It is important that WAI be able to coordinate with the installer. Owner to provide WAI with the installer's contact information.**

TRADE SECRETS

THE CLEAN SOLUTION is the result of the expenditure of much effort and money. The design of the components and operational cycle are the intellectual property of WAI and may not be revealed without written permission.

WASTEWATER ALTERNATIVES, INC
2 Whitney Road – Suite 10 - Concord, NH 03301

Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 783-4499
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WARRANTY FOR RESIDENTIAL SINGLE FAMILY SYSTEM

For a period of 10 years, WAI will warranty the components within BioCon™ chamber and repair or replace any of these components, including parts and labor, at no cost to you. This does not cover pumping the system to make necessary repairs.

WAI will extend the compressor manufacturer's warranty from two to four years. This covers compressor(s) that have been maintained and used under normal operating conditions. WAI will provide replacement air compressor(s) at cost-plus shipping for compressors not covered under warranty. Labor to replace compressor(s) will be billed out at WAI standard hourly rates.

Warranty for pump chamber components (pump, floats, alarms) installed by WAI is limited to the pump / floats / alarm manufacturer's terms and conditions. Labor to replace sump / effluent pump / floats / alarms will be billed out at WAI standard hourly rates.

WAI will warranty a dispersal field that utilizes concrete or plastic chambers or conventional pipe and stone dispersal fields designed and constructed to NH Department of Environmental Services and WAI requirements for a period of 5 years. This warranty does not cover system failures caused by water fixture leaks, water overuse, and groundwater leaks or flooding. This warranty is for materials only to replace the dispersal field in-kind and does not cover the cost of landscaping, pumping, relocation or labor.

Warranty of all other types of dispersal fields (i.e. fabric style leaching components) is limited to manufacturer's warranty and not covered by WAI or WAI warranties.

Owner(s) responsibility during this period is to perform the required maintenance and have an inspection contract with WAI or an approved vendor in effect at all times. Failure to perform the required maintenance, have an inspection contract, and maintain records of pumping or to notify WAI of any problems will void this warranty. This warranty also does not cover damage caused by improper use, poor construction or design practices, high groundwater, flooding or acts of God.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY OR OTHERWISE, APPLICABLE TO THE SEWAGE TREATMENT SYSTEM SHALL BE LIMITED IN DURATION TO ONE YEAR.

*WASTEWATER ALTERNATIVES INC. SHALL NOT BE LIABLE FOR ANY DIRECT OR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. NOR SHALL WASTEWATER ALTERNATIVES, INC. LIABILITY UNDER THIS WARRANTY EXCEED THE PRICE PAID BY THE BUYER TO WASTEWATER ALTERNATIVES, INC. FOR **THE CLEAN SOLUTION SYSTEM**.*

WASTEWATER ALTERNATIVES, INC

2 Whitney Road – Suite 10 - Concord, NH 03301

Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 783-4499
www.thecleansolution.com email: gary@thecleansolution.com

PAYMENT

The agreed upon price for the WAI equipment and services detailed in the Sales Agreement is **$5,600.00. ELECTRICAL WORK NOT INCLUDED IN PRICE.**

Payment is requested as follows:
$2,800.00 upon signing this agreement
$2,800.00 immediately upon WAI installing system components.
Ownership will transfer to the buyer upon final payment. Failure to pay WAI will void all warrantees.

The price does not include electrical wiring, excavation to install the components of this system, dispersal field, or connections from the house to ***THE CLEAN SOLUTION*** or to the dispersal field.

THIS PRICE IS VALID FOR 60 DAYS FROM THE DATE OF THIS DOCUMENT. ALL SYSTEM COMPONENTS MUST BE INSTALLED WITHIN 60 DAYS OF INITIAL DEPOSIT.

Please send payment to:
Wastewater Alternatives Inc.
P.O. Box 670
Groton, MA 01450

If Paying by Credit Card please call:
WAI Accounting Department
1-978-448-2280

By signing below the owner or owner's representative has read the SALES AGREEMENT and attached INSPECTION CONTRACT requirements and agrees to the terms of the SALES AGREEMENT and to perform the necessary maintenance and inspections as outlined in the INSPECTION CONTRACT.

ACCEPTED:

BUYER:

Donald & Dolores Hatch
132 Atlantic Avenue
North Hampton, NH 03862
Phone:

SELLER:

Wastewater Alternatives, Inc.
Gary R. Spaulding
General Manager

DATE: **December 3, 2009**

WASTEWATER ALTERNATIVES, INC

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RESIDENTIAL
INSPECTION CONTRACT
December 3, 2009

BUYER:	
Name:	Donald & Dolores Hatch
Address:	132 Atlantic Avenue
City, State Zip:	North Hampton, NH 03862
Phone:	
Cell:	
Email:	

OWNER-IF DIFFERENT:
Name:
Address:
City, State Zip:
Phone:
Cell:
Email:

SITE:	
Property ID:	Tax Map 6 Lot # 28
Address:	132 Atlantic Avenue
City, State, Zip:	North Hampton, NH 03862
Waterbody:	N/A

Property Type:

Residential Single Family:	Yes
Residential Seasonal:	No

MAINTENANCE REQUIRED:

The following maintenance is required. It is the owner's responsibility to see that this maintenance is performed.

☒ **Full Time Residential Use (Single Family Home)**

1. Inspection every 1 year by a WAI Technician or by a company or individual that has been certified by WAI to perform inspections (See Maintenance Requirements in Sales Agreement.)
2. Use a local pumper to pump out the septic and settling/pump tanks every 2 to 3 years. More or less frequent pumping may be required depending on system use and number of occupants. WAI and the pumper can determine the required frequency. Owner must retain records of pumping.
3. Compressor must run continuously. It should be checked for operation at least once a month.
4. BioCon™ chamber may require pumping between 6 and 8 years. WAI Technician will determine if pumping is necessary during inspection.
5. Compressor Air Filter to be cleaned or replaced yearly.

☐ **Seasonal Residential Use (Single Family Home when used less than 6 months per year)**

1. Inspection every 3 years by a WAI Technician or by a company or individual that has been certified by WAI to perform inspections.
2. Use a local pumper to pump out the septic and settling/pump tanks every 2 to 4 years. More or less frequent pumping may be required depending on system use and number of occupants. WAI or the pumper can determine the required frequency. Homeowner must retain records of pumping.

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3. Compressor must run continuously. It should be checked for operation at least once a month.
4. Compressor may be disconnected during the off-season.
5. BioCon™ chamber may require pumping between 8 and 10 years. WAI Technician will determine if pumping is necessary during inspection.
6. Compressor Air Filter to be cleaned or replaced yearly.

Following the above schedule will fulfill your obligations to maintain your warranty.

The first inspection is included in the sales price. Maintenance Contracts are available from WAI. The service will include a detailed inspection of the system and replacement of any failed items within the BioCon Chamber. Tank pumping is not included in the price and must be arranged by the property owner. Failure to have a maintenance agreement with WAI or an approved vendor will void maintenance warranty outlined in the **Sales Agreement.**

INSPECTION FEE SCHEDULE
Single Family Residential Homes – fee is $200.00 per inspection plus the cost of replacement parts not covered by warranty.

Inspection fees may be revised by WAI as needed to adjust cost of services.

Inspection fees will be billed at time of service. Failure to perform inspection or pay for inspection will void WAI warranty.

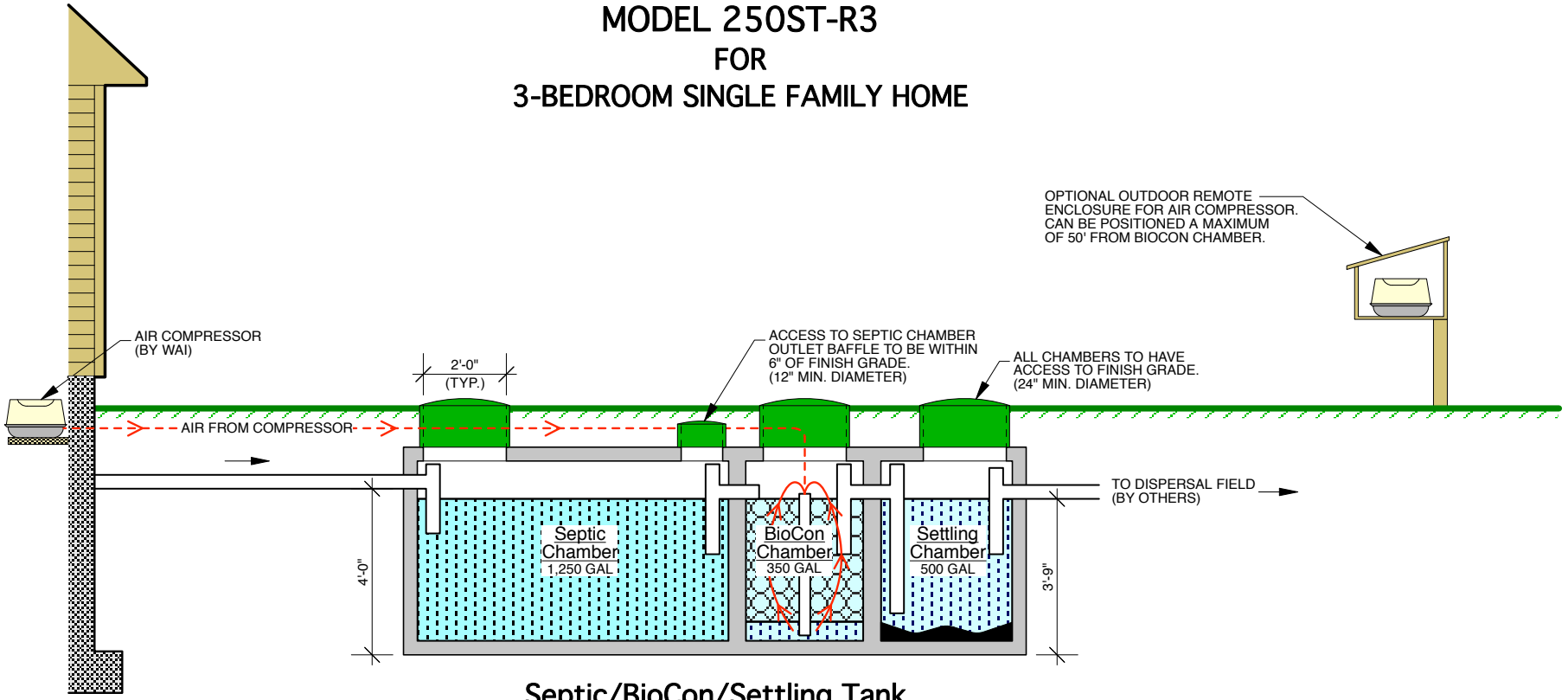
By signing below the owner or owner's representative has read the above Maintenance requirements and conditions outlined in the SALES AGREEMENT and agrees to perform the necessary maintenance and inspections as outlined.

ACCEPTED:
BUYER:

Donald & Dolores Hatch
132 Atlantic Avenue
North Hampton, NH 03862
Phone:

DATE:

THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM
MODEL 250ST-R3
FOR
3-BEDROOM SINGLE FAMILY HOME


OPTIONAL OUTDOOR REMOTE ENCLOSURE FOR AIR COMPRESSOR. CAN BE POSITIONED A MAXIMUM OF 50' FROM BIOCON CHAMBER.
AIR COMPRESSOR (BY WAI)
2'-0" (TYP.)
ACCESS TO SEPTIC CHAMBER OUTLET BAFFLE TO BE WITHIN 6" OF FINISH GRADE. (12" MIN. DIAMETER)
ALL CHAMBERS TO HAVE ACCESS TO FINISH GRADE. (24" MIN. DIAMETER)
AIR FROM COMPRESSOR
TO DISPERSAL FIELD (BY OTHERS)
Septic Chamber 1,250 GAL
BioCon Chamber 350 GAL
Settling Chamber 500 GAL
4'-0"
3'-9"

Septic/BioCon/Settling Tank

- Provided by WAI -

2,100 GAL 3-Compartment Tank

(15'0"L x 6'6"W x 5'0"H)

Tank from:

A.J. Foss Inc.
Farmington, NH 03835
Tel: 603-755-2515

NOTES:

1. Septic & Settling Compartments must be pumped every 2 to 3 years. More frequent pumping may be required depending on use.
2. Tank is not suitable for drive on use. Heavy Duty and H-20 models available.
3. Contractor to verify tank dimensions prior to setting.
4. Plastic risers will be provided to suite site (up to 24" depth). Contractor to provide additional risers to finish grade if cover over tank exceeds 24".

Site: Tax Map 6, Lot# 28 132 Atlantic Avenue North Hampton, NH 03862	Owner: Donald & Dolores Hatch 132 Atlantic Avenue North Hampton, NH 03862	Date 12/03/2009 Rev.	WASTEWATER ALTERNATIVES, INC. **THE CLEAN SOLUTION™** 2 Whitney Road - Suite 10 Concord, NH 03301 Tel. 1-866-900-2415 Fax. 603-783-4499 www.thecleansolution.com

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WASTEWATER ALTERNATIVES, INC
developing innovative solutions with sustainable results
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Concord, NH 03301
Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 369-4747
www.thecleansolution.com email: info@thecleansolution.com

THEORY of *THE CLEAN SOLUTION*

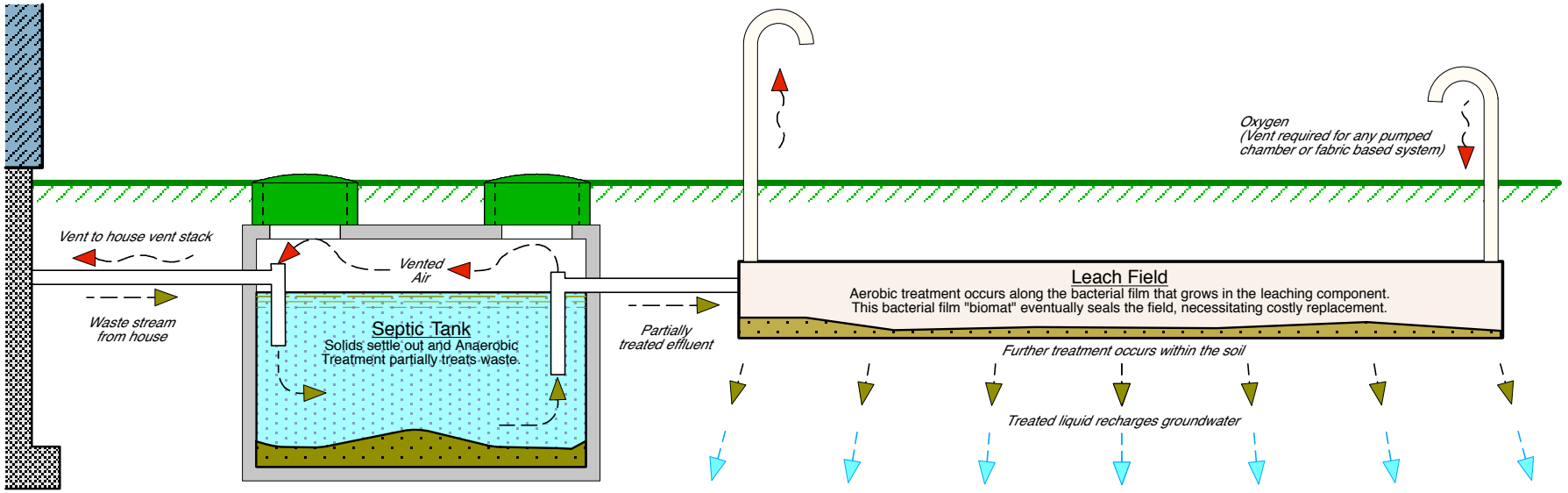
Conventional small to mid-size sewage systems normally use a septic tank followed by a leach field to first provide anaerobic (without air) and then aerobic (with air) treatment of the effluent. Septic tanks work well for capturing and digesting the solids, which are anaerobically fermented over a long period of time, dissolving the solids into the liquid waste. However, a septic tank is not designed to treat the contaminants that dissolve in the liquids. These are treated aerobically in the leach field. Municipal systems, which handle very large volumes of wastewater use different equipment to accomplish the same biological functions: primary sedimentation tanks remove solids, and a subsequent aerobic system treats the contaminants dissolved in the liquids. Settled solids are removed from municipal primary and secondary facilities for further treatment.

All aerobic treatment systems, whether a conventional leach field, municipal treatment plant, or *THE CLEAN SOLUTION*, depend on bacteria to purify the effluent from a solids settling system. In order for bacteria to reproduce they require energy (food) and air. By using the contaminants in the effluent as food and atmospheric air the bacteria metabolize the dissolved solids to carbon dioxide, water and sludge (colonies of bacteria). The aerobic bacteria also convert ammonia compounds to nitrates.

A large number of bacteria need to come in contact with the food source in order to purify an effluent. Treatment systems utilize different methods to provide the necessary bacteria population. A municipal system mechanically stirs up the bacteria in the secondary treatment process so that they will contact their food and not settle out of the effluent. In a leach field, the sludge (biomat) that forms at the ground interface is a large colony of bacteria through which the dissolved solid stream flows. In *THE CLEAN SOLUTION* the bacteria collect in a thin film on the plastic media in WAI'S proprietary BioCon biological contactor, the effluent is circulating over the plastic media several times.

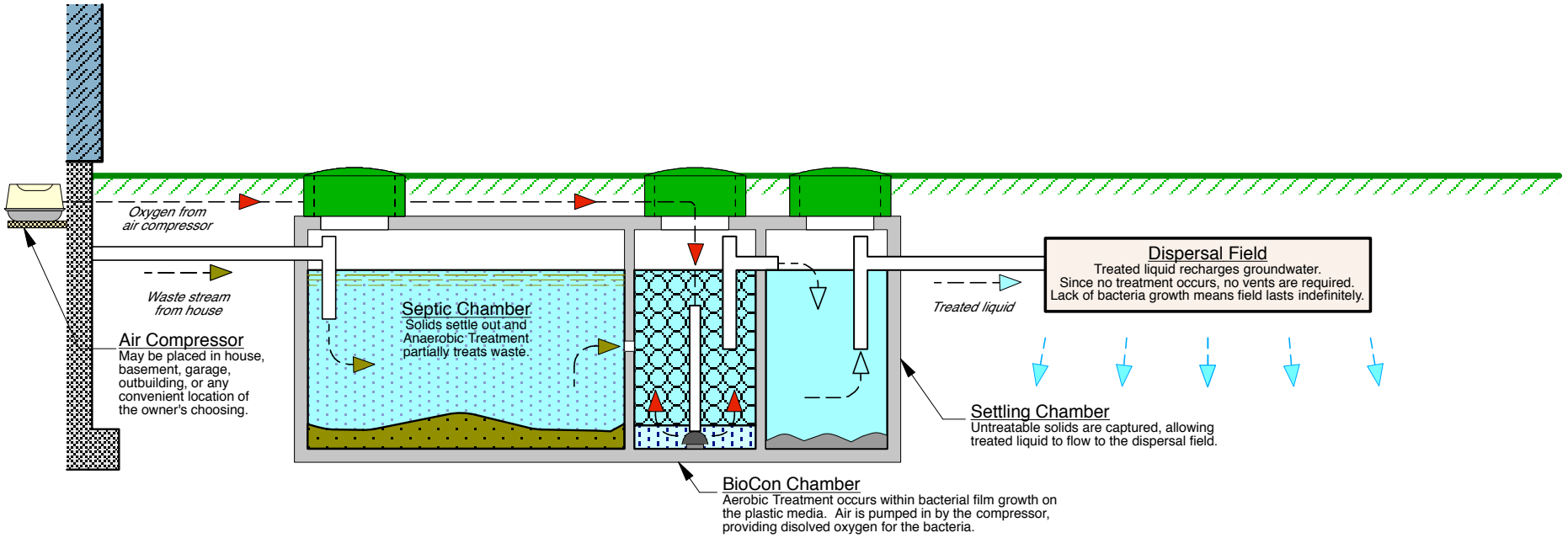
THE CLEAN SOLUTION uses the same biological process as a municipal secondary treatment plant utilizing the activated sludge process. Solids are settled out and air is added for bacteria respiration in the BioCon. This allows the bacteria to convert the carbonaceous dissolved solids to carbon dioxide, water and sludge. In addition the urea and ammonia converts to nitrates and sludge. The sludge created is settled for periodic removal from the system, and a clean, odorless effluent is discharged to the dispersal field.

The major difference between a conventional septic system and *THE CLEAN SOLUTION* is where the bacteria (sludge) collect. In a conventional system, the sludge forms in the bottom of the leach field and restricts the effluent flow enough so that the bacteria has time to act. This flow rate through the sludge determines the required field size. In *THE CLEAN SOLUTION* system the sludge is formed in the BioCon chamber resulting in treated; clear effluent discharging to the dispersal field. This field can be greatly reduced in size because there is no for further treatment to reduce BOD and TSS.


Oxygen
(Vent required for any pumped
chamber or fabric based system)
Vent to house vent stack
Vented
Air
Waste stream
from house
Septic Tank
Solids settle out and Anaerobic
Treatment partially treats waste.
Partially
treated effluent
Leach Field
Aerobic treatment occurs along the bacterial film that grows in the leaching component.
This bacterial film "biomat" eventually seals the field, necessitating costly replacement.
Further treatment occurs within the soil
Treated liquid recharges groundwater

LEACH FIELD BASED SEPTIC SYSTEM

Treatment occurs within the leach field components, whether fabric wrapped pipes or mats, concrete or plastic chambers or traditional pipe & stone.



THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM

Treatment occurs within the BioCon™ Aerobic treatment chamber, allowing for a dispersal area smaller than a leach field.

WASTEWATER ALTERNATIVES, INC.
THE CLEAN SOLUTION™
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Canterbury, NH 03224
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www.thecleansolution.com